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OM nucleic - nucleic search, using sw model

Run on: October 23, 1999, 02:11:16 ; Search time 57.27 Seconds
(without alignments)
3464.479 Million cell updates/sec

Title: US-08-978-217-3

Sequence: 1 CGGCCAGATACCTCAGCGCT.....CTAATAAAAAAAAAAAAAA 1907

Scoring table: IDENTITY_NUC

Searched: 192659 seqs, 52021692 residues

base : Issued Patents, NA:*

1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/ina/5C.COMB.seq:*
4: /cgn2_6/ptodata/1/ina/5D.COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PTUS9.COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1843.2	96.7	1920	US-08-746-789A-1	Sequence 1, Appl1
2	84.8	4.4	2266	US-09-213-767-1	Sequence 1, Appl1
3	73.4	3.8	2975	US-08-368-281-1	Sequence 1, Appl1
4	73.4	3.8	3240	US-08-368-281-3	Sequence 3, Appl1
5	59.8	3.1	2667	US-08-469-412A-1	Sequence 1, Appl1
6	51.2	2.7	2410	US-08-780-835B-1	Sequence 1, Appl1
7	51.2	2.7	7218	US-08-232-463-14	Sequence 14, Appl1
8	49.6	2.6	1604	US-08-306-691B-43	Sequence 43, Appl1
9	49.6	2.6	1604	PCT-US93-06251-9	Sequence 9, Appl1
10	44.6	2.3	1364	US-08-306-691B-50	Sequence 50, Appl1
11	44.6	2.3	1364	PCT-US93-06251-65	Sequence 65, Appl1
12	41.8	2.2	2544	US-08-469-412A-6	Sequence 6, Appl1
13	38.8	2.0	2089	US-07-977-630-81	Sequence 81, Appl1
14	38.8	2.0	2089	US-07-977-630-82	Sequence 82, Appl1
15	38.8	2.0	5173	US-08-242-677-1	Sequence 1, Appl1
16	38.8	2.0	3993	US-08-316-950-14	Sequence 14, Appl1
17	38.8	2.0	6044	US-08-316-950-18	Sequence 18, Appl1
18	38.8	2.0	50341	US-08-247-901C-1	Sequence 1, Appl1
19	38.8	2.0	3893	PCT-US95-12642-14	Sequence 14, Appl1
20	38.8	2.0	6044	PCT-US95-12642-18	Sequence 18, Appl1
21	36.2	1.9	11219	US-07-642-734C-1	Sequence 1, Appl1
22	36.2	1.9	1155	US-08-675-650B-3	Sequence 3, Appl1
23	35.6	1.9	1157	US-07-709-949-1	Sequence 1, Appl1
24	35.4	1.9	1680	US-08-234-783-3	Sequence 3, Appl1
25	35.4	1.9	1680	US-08-456-907-3	Sequence 3, Appl1
26	35.4	1.9	1680	PCT-US95-05523-3	Sequence 3, Appl1
27	35.4	1.9	1975	US-08-852-743-1	Sequence 1, Appl1
28	35.4	1.9	1975	US-08-852-743-1	Sequence 1, Appl1
29	34.6	1.8	1240	US-08-240-372-2	Sequence 2, Appl1
30	34.6	1.8	4616	US-08-340-203A-1	Sequence 1, Appl1
31	34.6	1.8	2403	US-08-471-033-30	Sequence 30, Appl1
32	34.6	1.8	2403	US-08-471-044-30	Sequence 30, Appl1
33	34.6	1.8	4616	US-08-452-567-1	Sequence 1, Appl1
34	34.6	1.8	2403	US-08-463-483A-30	Sequence 30, Appl1
35	34.6	1.8	2403	US-08-471-046A-30	Sequence 30, Appl1
36	34.6	1.8	2403	US-08-470-565B-30	Sequence 30, Appl1
37	34.6	1.8	2403	US-08-838-219B-7	Sequence 7, Appl1

38	34.6	1.8	2370	US-08-838-219B-19	Sequence 19, Appl1
39	34.6	1.8	2241	US-08-838-219B-20	Sequence 20, Appl1
40	34.6	1.8	4616	US-08-452-427-1	Sequence 1, Appl1
41	34.6	1.8	1155	US-08-675-650B-5	Sequence 5, Appl1
42	33.6	1.8	1288	US-08-440-856A-9	Sequence 9, Appl1
43	33.6	1.8	1386	US-08-897-340-1	Sequence 1, Appl1
44	33.4	1.8	1603	US-08-625-209A-1	Sequence 1, Appl1
45	33	1.7	4031	US-08-463-483A-49	Sequence 49, Appl1

ALIGNMENTS

```
RESULT 1
US-08-746-789A-1
: Sequence 1, Application US/08746789A
: Patent No. 5789200
: GENERAL INFORMATION:
: APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck
: TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Smithline Beecham Corporation
: STREET: 709 Swedeland Road, P.O. Box 1539
: CITY: King of Prussia
: STATE: PA.
: COUNTRY: USA
: ZIP: 19406-0939
: COMPUTER READABLE FORM:
: MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
: COMPUTER: IBM 486
: OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
: SOFTWARE: MICROSOFT WORD
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/746,789A
: FILING DATE: No. 5789200el 15, 1996
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: William T. Han
: REGISTRATION NUMBER: 34,344
: REFERENCE/DOCKET NUMBER: ATG 50024
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610 270 4026
: TELEFAX: 610 270 4026
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1920
: TYPE: Nucleic Acid
: STRANDEDNESS: Single
: TOPOLOGY: Linear
: ANTI-SENSE: NO
: US-08-746-789A-1

Query Match      96.7% Score 1843.2: DB 3: Length 1920:
Best Local Similarity 99.1% Pred. No. 0:
Matches 1885: Conservative 0: Mismatches 13: Indels 4: Gaps 3:
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1 CGGCCAGATACCTCAGCGCTACCTGCGGAGTGTCTCTCCCGGCTCCGCGCTCG 60
2 CGGCCAGATACCTCAGCGCTACCTGCGGAGTGTCTCTCCCGGCTCCGCGCTCG 79
3 CGGCCAGATACCTCAGCGCTACCTGCGGAGTGTCTCTCCCGGCTCCGCGCTCG 120
4 CGGCCAGATACCTCAGCGCTACCTGCGGAGTGTCTCTCCCGGCTCCGCGCTCG 139
5 CGGCCAGATACCTCAGCGCTACCTGCGGAGTGTCTCTCCCGGCTCCGCGCTCG 180
6 CGGCCAGATACCTCAGCGCTACCTGCGGAGTGTCTCTCCCGGCTCCGCGCTCG 199

OY	181	TTCCCCCGTGGCCACCTTTTGGGGGCGATACCTTGGTACTGGACCTTGACACACCCCCAGA	240
Db	200	TTCCCCCGTGGCCACCTTTTGGGGGCGATACCTTGGTACTGGACCTTGACACACCCCCAGA	259
OY	241	TGTCATTGAGAGGTACACAGAGAGCCACAGCTGGTGGGGGAAACAGCCCGAGTTCGGTGA	300
Db	260	TGTCATTGAGAGGTACAGAGAGGCTAGCTGGTGGGGGAAACAGCCCGAGTTCGGTGA	319
OY	301	AGACGCAAGTTCTGGAGCTGCATCAGTACCAAGTGGAGAAACAAGTACGACGCAAGCG	360
Db	320	AGAGCGCAGGTTCTGGAGCTGCATCAGTACCAAGTGGAGAAACAAGTACGACGCAAGCG	379
OY	361	CCATTGAGCTTCTCAGMAMTGATGATGGGCGCACCCCTGCATTTGTCCTTGGGCTTGAAG	420
Db	380	CCATTGAGCTTCTCAGMAMTGATGATGGGCGCACCCCTGCATTTGTCCTTGGGCTTGAAG	439
OY	421	AGCTGCGTCTGTGTTTGGGCGCTTGGGGGACCACTCCATGCCAGCTGCGCAGACTCA	480
Db	440	AGCTGCGTCTGTGTTTGGGCGCTTGGGGGACCACTCCATGCCAGCTGCGCAGACTCA	499
OY	481	CTTCCAGCTCTTCTGATGAGCTCAGTTGGATCATTGAGCTGCTGAGAGAGATGCGATGG	540
Db	500	CTTCCAGCTCTTCTGATGAGCTCAGTTGGATCATTGAGCTGCTGAGAGAGATGCGATGG	559
OY	541	CGTTCCAGAGAGCCCTTAGACCAGAGGCGCCCTTTACCAAGGGCACCCCTTTGCCACAGAGC	600
Db	560	CGTTCCAGAGAGCCCTTAGACCAGAGGCGCCCTTTACCAAGGGCACCCCTTTGCCACAGAGC	619
OY	601	TGCTGAGAGACGATCAGACAGAGCCAGCCCTTACACACC CGGAGACTGTGGCGAGAGAGCC	660
Db	620	TGCTGAGAGAGGATCAGACAGAGCCAGCCCTTACACACC CGGAGACTGTGGCGAGAGAGCC	679
OY	661	CGTCCCGTGGCAGCTCTGAGCGTCTCCACCGCAGAGGAGCTGGTGTCTCTCGAGACTCCACT	720
Db	680	CGTCCCGTGGCAGCTCTGAGCGTCTCCACCGCAGAGGAGCTGGTGTCTCTCGAGACTCCACT	739
OY	721	CCTCAGACTCCGAGTGAAGTGAAGTGGAGCTGGAATCCCACTGATGGCAAGCTCTTCCCA	780
Db	740	CCTCAGACTCCGAGTGAAGTGAAGTGGAGCTGGAATCCCACTGATGGCAAGCTCTTCCCA	799
OY	781	GCATGAGTTTTCGTGACTTGCAGAGAGGGGATCCCAAGACGAGGAAAGCGGAAACGAGGCC	840
Db	800	GCATGAGTTTTCGTGACTTGCAGAGAGGGGATCCCAAGACGAGGAAAGCGGAAACGAGGCC	859
OY	841	GGCCCCGAAAGCTGAGCAAGAGTACTGTGGAGCTGTCTCAGAGGGCAAGAGACAGCAAGCAG	900
Db	860	GGCCCCGAAAGCTGAGCAAGAGTACTGTGGAGCTGTCTCAGAGGGCAAGAGACAGCAAGCAG	919
OY	901	CGCCCCAGAGGACCCACACTGTGGGAGTTCACTCCGAGACATCCTCATCCCGGAGGCTCA	960
Db	920	CGCCCCAGAGGACCCACACTGTGGGAGTTCACTCCGAGACATCCTCATCCCGGAGGCTCA	979
OY	961	ACGAGGGCCATCAGAGTGGGAGAAATCGGATGAAAGGCGCTTCAAGTTCCGCGGCTCGG	1020
Db	980	ACGAGGGCCATCAGAGTGGGAGAAATCGGATGAAAGGCGCTTCAAGTTCCGCGGCTCGG	1039
OY	1021	AGGCTGTGGCCCACTATGAGGCGCAAAAGAAAGAAACAGCAACATGACTACGAGAGAC	1080
Db	1040	AGGCTGTGGCCCACTATGAGGCGCAAAAGAAAGAAACAGCAACATGACTACGAGAGAC	1099
OY	1081	TGAGCCCGGGCCATGAGGTACTACTACAAACGGGAGATCCTGGAAACGGGTGATGGCGGGC	1140
Db	1100	TGAGCCCGGGCCATGAGGTACTACTACAAACGGGAGATCCTGGAAACGGGTGATGGCGGGC	1159
OY	1141	GACTCGCTCAAGTTTGGCAAAACATCAAGGGGCTGGAGAGAGAAAGAGTTCACGA	1200
Db	1160	GACTCGCTCAAGTTTGGCAAAACATCAAGGGGCTGGAGAGAGAAAGAGTTCACGA	1219
OY	1201	GTCGGAACTGAGGGTTGGAACTATACCCGGAGCAAACTACAGAGCAACTCAGAGGCTGCG	1260
Db	1220	GTCGGAACTGAGGGTTGGAACTATACCCGGAGCAAACTACAGAGCAACTCAGAGGCTGCG	1279
OY	1261	AAACCTTACTGAGAGGACAGGACGGCCAGATGGCCCTTCACTGGGGAGTAAGTCTCCCACT	1320

Db	1280	AAACCTTCTCGGAGAGACAGGCGACAGATGCCCCCTTCACTTGGGGAATGCTCCACGCT	1339
Qy	1321	GTGCTGTGAGAGAAAGCTGATGTTTGGTATTTGTACAGCCATCGCTTGGACGTGGAG	1380
Db	1340	GTGCTGTGAGAGAAAGCTGATGTTTGGTATTTGTACAGCCATCGCTTGGACGTGGAG	1399
Qy	1381	ACTATGAGCTCCGCTTCCACACCTCTCTGTGAATTACAAGCCGTGGGTTGAAGCTA	1440
Db	1400	ACTATGAGCTCCGCTTCCACACCTCTCTGTGAATTACAAGCCGTGGGTTGAAGCTA	1459
Qy	1441	CTTTAGCTGAGAGTATCTCTTTTATCTGGTCCCTCTCAACCCAGTCTGACA	1500
Db	1460	CTTTAGCTGAGAGTATCTCTTTTATCTGGTCCCTCTCTCAACCCAGTCTGACA	1519
Qy	1501	CTTAAATGACAGCAACACCTTCTTCTGACAGACACTTGGACTGAGCAAGAGGCTTGG	1560
Db	1520	C-TAATGAGACAAACACCTTCTTCTGACAGACACTGAGCTGAGCAAGAGGCTTGG	1578
Qy	1561	--AGGCCCTAGGAGACACCGGTATGAGAGACAGACAGGAGGCTTCAGCA-CTTCTTTC	1617
Db	1579	GAGGGCTTAGGAGGACACCGGTATGAGAGAGACAGAGGAGGCTTCACACCTTCTTTC	1638
Qy	1618	TGAGCTGGGCTTACCTCCCTGCTCAGTGTGAGTCTGGGCTCCAGGGGAGGGGTGAGACACT	1677
Db	1639	TGAGCTGGGCTTACCTCCCTGCTCAGTGTGAGTCTGGGCTCCAGGGGAGGGGTGAGACACT	1698
Qy	1678	CCCTAATTATGTCTATATATAATATATGTCAGATGTATAGATCTATTTTCTAAAA	1737
Db	1699	CCCTAATTATGTCTATATATAATATGTCAGATGTATAGATCTATTTTCTAAAA	1758
Qy	1738	CATTCCCTCCCACTCTCTCTCCACAGAGTGTGAGACTGTTCACAGGCCCTCCAGTGGGC	1797
Db	1759	CATTCCCTCCCACTCTCTCTCCACAGAGTGTGAGACTGTTCACAGGCCCTCCAGTGGGC	1818
Qy	1798	TGATCTGGGAGCCCTTAGAGATGGGGCTCCAGCTCCTTCTCTGTGATGAGGAGCAGAG	1857
Db	1819	TGATCTGGGAGCCCTTAGAGATGGGGCTCCAGCTCCTTCTCTGTGATGAGGAGCAGAG	1878
Qy	1858	ACCTCCAAATAAAGTGCCTTCTGGGCTTTTCTAAAAA	1899
Db	1879	ACCTCCAAATAAAGTGCCTTCTGGGCTTTTCTAAAAA	1920
RESULT 2			
US-09-213-767-1			
: Sequence 1, Application US/09213767			
: Patent No. 5948680			
: GENERAL INFORMATION:			
: APPLICANT: Brenda F. Baker			
: APPLICANT: Lex M. Cowsett			
: TITLE OF INVENTION: ANTISENSE MODULATION OF ELK-1 EXPRESSION			
: FILE REFERENCE: RPS-0024			
: CURRENT APPLICATION NUMBER: US/09/213.767			
: CURRENT FILING DATE: 1998-12-17			
: NUMBER OF SEQ ID NOS: 47			
: SEQ ID NO 1			
: LENGTH: 2266			
: TYPE: DNA			
: ORGANISM: Homo sapiens			
: FEATURE:			
: NAME/KEY: CDS			
: LOCATION: (316)..(1602)			
US-09-213-767-1			
Query Match 4.4% Score 84.8; DB 4; Length 2266;			
Best Local Similarity 64.0%; Pred. No. 3.5e-14;			
Matches 128; Conservative 0; Mismatches 72; Indels 0; Gaps 0;			
Qy	959	CACGAGGGCCTCATGAGCTGGAGAAATCCGATGAGAGGCGCTTCAAGTTCCTGCGCTC	1018
Db	372	caatggccacatcctctccgactccaggaatggtgtgtgattcaacgtctgtgatgc 431	